

Abstract

A karaoke sound system had a mixer that combines the singer's real-time voice signal from a microphone with the 5 pre-recorded background song/music signal from a player, an amplifier that receives the mixed signal from the mixer to provide amplification or gain boosting, a dedicated channel for the vocal signal from the microphone without using a mixing device, one or more speakers to output the mixed and 10 amplified audio signal, and one or more speakers to output the vocal signal from the dedicated channel. The vocal channel allows the vocals to maintain an overall cleaner and vibrant sound, with a "live feeling" positional presence.